



Blade family EU 51 | 55 | 59

BLADE TYPE

Hand lamination	(On request)	EU 56.1400-2
Vacuum infusion	EU 53.1400.1-B	EU 56.1400.1-B

GENERAL

Rotor diameter (approx.) (m)	53	56
Rated power (kW)	1000	1000
Power control	Pitch	Pitch
Nominal wind speed (m/s)	12.1	11.8
Nominal tip speed (m/s)	75	75
Materials	Glass/Epoxy	Glass/Epoxy
Mass (t)	2.6*	2.80

AERODYNAMICS

Airfoils	EUROS, DU, NACA64	EUROS, DU, NACA64
Design tip speed ratio	7.5	8.5
Max. power coefficient	0.48	0.48

GEOMETRY

Blade length (m)	25.65	27.50
Max. Chord (m)	2.40	2.40
Twist (deg)	11.5	12.5
Blade area (m ²)	41.5	42.5

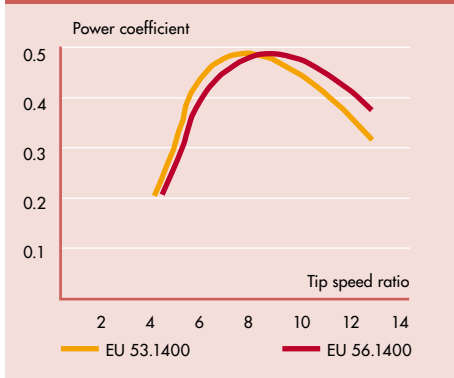
MOUNTING

Mounting diameter (mm)	1400	1400
No. of bolts	44	44
Bolt size	M27	M27

MISCELLANEOUS

Lightning protection	Aluminum receptor	Aluminum receptor
Erosion protection	PU-foil	PU-foil

POWER CURVE



EUROS DESIGN PHILOSOPHY

Blades are designed in families. Center section is identical within one family. Root and tip segments can be exchanged to meet customer specifications.

CONTACT

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Blades and more ...

* Design Value